

**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/114,844**

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~~#10~~
DATE: 07/21/9
TIME: 14:18:0

INPUT SET: S27566.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

1 SEQUENCE LISTING

3 (1) General Information:

5 (i) APPLICANT: Ashkenazi, Avi J.
6 Gurney, Austin

8 (ii) TITLE OF INVENTION: RTD Receptor

10 (iii) NUMBER OF SEQUENCES: 5

12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Genentech, Inc.
14 (B) STREET: 1 DNA Way
15 (C) CITY: South San Francisco
16 (D) STATE: California
17 (E) COUNTRY: USA
18 (F) ZIP: 94080

20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
22 (B) COMPUTER: IBM PC compatible
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24 (D) SOFTWARE: WinPatin (Genentech)

26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER:
28 (B) FILING DATE: 14-Jul-1998
29 (C) CLASSIFICATION:

31 (vii) PRIOR APPLICATION DATA:
32 (A) APPLICATION NUMBER: 60/056974
33 (B) FILING DATE: 26-AUG-1997

34
35 (viii) ATTORNEY/AGENT INFORMATION:
36 (A) NAME: Marschang, Diane L.
37 (B) REGISTRATION NUMBER: 35,600
38 (C) REFERENCE/DOCKET NUMBER: P1129R1

40 (ix) TELECOMMUNICATION INFORMATION:
41 (A) TELEPHONE: 650/225-5416
42 (B) TELEFAX: 650/952-9881

43 (2) INFORMATION FOR SEQ ID NO:1:

45 (i) SEQUENCE CHARACTERISTICS:
46 (A) LENGTH: 386 amino acids

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47 (B) TYPE: Amino Acid
48 (D) TOPOLOGY: Linear
49
50 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
51
52 Met Gly Leu Trp Gly Gln Ser Val Pro Thr Ala Ser Ser Ala Arg
53 1 5 10 15
54
55 Ala Gly Arg Tyr Pro Gly Ala Arg Thr Ala Ser Gly Thr Arg Pro
56 20 25 30
57
58 Trp Leu Leu Asp Pro Lys Ile Leu Lys Phe Val Val Phe Ile Val
59 35 40 45
60
61 Ala Val Leu Leu Pro Val Arg Val Asp Ser Ala Thr Ile Pro Arg
62 50 55 60
63
64 Gln Asp Glu Val Pro Gln Gln Thr Val Ala Pro Gln Gln Gln Arg
65 65 70 75
66
67 Arg Ser Leu Lys Glu Glu Glu Cys Pro Ala Gly Ser His Arg Ser
68 80 85 90
69
70 Glu Tyr Thr Gly Ala Cys Asn Pro Cys Thr Glu Gly Val Asp Tyr
71 95 100 105
72
73 Thr Ile Ala Ser Asn Asn Leu Pro Ser Cys Leu Leu Cys Thr Val
74 110 115 120
75
76 Cys Lys Ser Gly Gln Thr Asn Lys Ser Ser Cys Thr Thr Arg
77 125 130 135
78
79 Asp Thr Val Cys Gln Cys Glu Lys Gly Ser Phe Gln Asp Lys Asn
80 140 145 150
81
82 Ser Pro Glu Met Cys Arg Thr Cys Arg Thr Gly Cys Pro Arg Gly
83 155 160 165
84
85 Met Val Lys Val Ser Asn Cys Thr Pro Arg Ser Asp Ile Lys Cys
86 170 175 180
87
88 Lys Asn Glu Ser Ala Ala Ser Ser Thr Gly Lys Thr Pro Ala Ala
89 185 190 195
90
91 Glu Glu Thr Val Thr Thr Ile Leu Gly Met Leu Ala Ser Pro Tyr
92 200 205 210
93
94 His Tyr Leu Ile Ile Ile Val Val Leu Val Ile Ile Leu Ala Val
95 215 220 225
96
97 Val Val Val Gly Phe Ser Cys Arg Lys Lys Phe Ile Ser Tyr Leu
98 230 235 240
99

**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/114,844**DATE: 07/21/98
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100 Lys Gly Ile Cys Ser Gly Gly Gly Gly Pro Glu Arg Val His
101 245 250 255
102
103 Arg Val Leu Phe Arg Arg Arg Ser Cys Pro Ser Arg Val Pro Gly
104 260 265 270
105
106 Ala Glu Asp Asn Ala Arg Asn Glu Thr Leu Ser Asn Arg Tyr Leu
107 275 280 285
108
109 Gln Pro Thr Gln Val Ser Glu Gln Glu Ile Gln Gly Gln Glu Leu
110 290 295 300
111
112 Ala Glu Leu Thr Gly Val Thr Val Glu Xaa Pro Glu Glu Pro Gln
113 305 310 315
114
115 Arg Leu Leu Glu Gln Ala Glu Ala Glu Gly Cys Gln Arg Arg Arg
116 320 325 330
117
118 Leu Leu Val Pro Val Asn Asp Ala Asp Ser Ala Asp Ile Ser Thr
119 335 340 345
120
121 Leu Leu Asp Ala Ser Ala Thr Leu Glu Glu Gly His Ala Lys Glu
122 350 355 360
123
124 Thr Ile Gln Asp Gln Leu Val Gly Ser Glu Lys Leu Phe Tyr Glu
125 365 370 375
126
127 Glu Asp Glu Ala Gly Ser Ala Thr Ser Cys Leu
128 380 385 386
129
130 (2) INFORMATION FOR SEQ ID NO:2:
131
132 (i) SEQUENCE CHARACTERISTICS:
133 (A) LENGTH: 2082 base pairs
134 (B) TYPE: Nucleic Acid
135 (C) STRANDEDNESS: Single
136 (D) TOPOLOGY: Linear
137
138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
139
140
141 CCAACTGCAC CTCGGTTCTA TCGATTGAAT TCCCCGGGGA TCCTCTAGAG 50
142
143 ATCCCTCGAC CTCGACCCAC GCGTCCGGAA CCTTTGCACG CGCACAAACT 100
144
145 ACGGGGACGA TTTCTGATTG ATTTTTGGCG CTTTCGATCC ACCCTCCTCC 150
146
147 CTTCTC ATG GGA CTT TGG GGA CAA AGC GTC CCG ACC GCC 189
148 Met Gly Leu Trp Gly Gln Ser Val Pro Thr Ala
149 1 5 10
150
151 TCG AGC GCT CGA GCA GGG CGC TAT CCA GGA GCC AGG ACA 228
152 Ser Ser Ala Arg Ala Gly Arg Tyr Pro Gly Ala Arg Thr

**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/114,844**DATE: 07/21/98
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153 15 20
154
155 GCG TCG GGA ACC AGA CCA TGG CTC CTG GAC CCC AAG ATC 267
156 Ala Ser Gly Thr Arg Pro Trp Leu Leu Asp Pro Lys Ile
157 25 30 35
158
159 CTT AAG TTC GTC GTC TTC ATC GTC GCG GTT CTG CTG CCG 306
160 Leu Lys Phe Val Val Phe Ile Val Ala Val Leu Leu Pro
161 40 45 50
162
163 GTC CGG GTT GAC TCT GCC ACC ATC CCC CGG CAG GAC GAA 345
164 Val Arg Val Asp Ser Ala Thr Ile Pro Arg Gln Asp Glu
165 55 60
166
167 GTT CCC CAG CAG ACA GTG GCC CCA CAG CAA CAG AGG CGC 384
168 Val Pro Gln Gln Thr Val Ala Pro Gln Gln Gln Arg Arg
169 65 70 75
170
171 AGC CTC AAG GAG GAG TGT CCA GCA GGA TCT CAT AGA 423
172 Ser Leu Lys Glu Glu Cys Pro Ala Gly Ser His Arg
173 80 85
174
175 TCA GAA TAT ACT GGA GCC TGT AAC CCG TGC ACA GAG GGT 462
176 Ser Glu Tyr Thr Gly Ala Cys Asn Pro Cys Thr Glu Gly
177 90 95 100
178
179 GTG GAT TAC ACC ATT GCT TCC AAC AAT TTG CCT TCT TGC 501
180 Val Asp Tyr Thr Ile Ala Ser Asn Asn Leu Pro Ser Cys
181 105 110 115
182
183 CTG CTA TGT ACA GTT TGT AAA TCA GGT CAA ACA AAT AAA 540
184 Leu Leu Cys Thr Val Cys Lys Ser Gly Gln Thr Asn Lys
185 120 125
186
187 AGT TCC TGT ACC ACG ACC AGA GAC ACC GTG TGT CAG TGT 579
188 Ser Ser Cys Thr Thr Arg Asp Thr Val Cys Gln Cys
189 130 135 140
190
191 GAA AAA GGA AGC TTC CAG GAT AAA AAC TCC CCT GAG ATG 618
192 Glu Lys Gly Ser Phe Gln Asp Lys Asn Ser Pro Glu Met
193 145 150
194
195 TGC CGG ACG TGT AGA ACA GGG TGT CCC AGA GGG ATG GTC 657
196 Cys Arg Thr Cys Arg Thr Gly Cys Pro Arg Gly Met Val
197 155 160 165
198
199 AAG GTC AGT AAT TGT ACG CCC CGG AGT GAC ATC AAG TGC 696
200 Lys Val Ser Asn Cys Thr Pro Arg Ser Asp Ile Lys Cys
201 170 175 180
202
203 AAA AAT GAA TCA GCT GCC AGT TCC ACT GGG AAA ACC CCA 735
204 Lys Asn Glu Ser Ala Ala Ser Ser Thr Gly Lys Thr Pro
205 185 190

RAW SEQUENCE LISTING
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206
207 GCA GCG GAG GAG ACA GTG ACC ACC ATC CTG GGG ATG CTT 774
208 Ala Ala Glu Glu Thr Val Thr Thr Ile Leu Gly Met Leu
209 195 200 205
210
211 GCC TCT CCC TAT CAC TAC CTT ATC ATC ATA GTG GTT TTA 813
212 Ala Ser Pro Tyr His Tyr Leu Ile Ile Val Val Leu
213 210 215
214
215 GTC ATC ATT TTA GCT GTG GTT GGC TTT TCA TGT 852
216 Val Ile Ile Leu Ala Val Val Val Val Gly Phe Ser Cys
217 220 225 230
218
219 CGG AAG AAA TTC ATT TCT TAC CTC AAA GGC ATC TGC TCA 891
220 Arg Lys Lys Phe Ile Ser Tyr Leu Lys Gly Ile Cys Ser
221 235 240 245
222
223 GGT GGT GGA GGA GGT CCC GAA CGT GTG CAC AGA GTC CTT 930
224 Gly Gly Gly Gly Pro Glu Arg Val His Arg Val Leu
225 250 255
226
227 TTC CGG CGG CGT TCA TGT CCT TCA CGA GTT CCT GGG GCG 969
228 Phe Arg Arg Arg Ser Cys Pro Ser Arg Val Pro Gly Ala
229 260 265 270
230
231 GAG GAC AAT GCC CGC AAC GAG ACC CTG AGT AAC AGA TAC 1008
232 Glu Asp Asn Ala Arg Asn Glu Thr Leu Ser Asn Arg Tyr
233 275 280
234
235 TTG CAG CCC ACC CAG GTC TCT GAG CAG GAA ATC CAA GGT 1047
236 Leu Gln Pro Thr Gln Val Ser Glu Gln Glu Ile Gln Gly
237 285 290 295
238
239 CAG GAG CTG GCA GAG CTA ACA GGT GTG ACT GTA GAG TYG 1086
240 Gln Glu Leu Ala Glu Leu Thr Gly Val Thr Val Glu Xaa
241 300 305 310
242
243 CCA GAG GAG CCA CAG CGT CTG CTG GAA CAG GCA GAA GCT 1125
244 Pro Glu Glu Pro Gln Arg Leu Leu Glu Gln Ala Glu Ala
245 315 320
246
247 GAA GGG TGT CAG AGG AGG AGG CTG CTG GTT CCA GTG AAT 1164
248 Glu Gly Cys Gln Arg Arg Leu Leu Val Pro Val Asn
249 325 330 335
250
251 GAC GCT GAC TCC GCT GAC ATC AGC ACC TTG CTG GAT GCC 1203
252 Asp Ala Asp Ser Ala Asp Ile Ser Thr Leu Leu Asp Ala
253 340 345
254
255 TCG GCA ACA CTG GAA GAA GGA CAT GCA AAG GAA ACA ATT 1242
256 Ser Ala Thr Leu Glu Glu Gly His Ala Lys Glu Thr Ile
257 350 355 360
258

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION **US/09/114,844**

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Original Text